

SYSTEM AND METHOD FOR REDUCING GALVANIC CORROSION ASSOCIATED WITH A MECHANICAL LOCKING DEVICE

Abstract

A method and system for preventing galvanic corrosion associated with a fastener of a first metal type and within an orifice of a second metal type for receiving said fastener. The method includes coating the fastener with a corrosive inhibitor and by further coating at least one of the fastener and orifice with an anaerobic composition that expands after the fastener is inserted into the orifice. The system includes a corrosive inhibitor coating at least a portion of the fastener adapted to contact the second metal type; and an anaerobic composition interposed between the corrosive inhibited portion of the fastener and orifice, and adapted to expand after the corrosive inhibitor portion of the fastener is inserted into the orifice.